ADVANCED TARGETING SYSTEMS

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Anti-Conjugated NO_2-Tyrosine
RAT POLYCLONAL

Catalog Number: AB-T109
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Immunogen: Synthetic NO_2-Tyrosine conjugated to bovine serum albumin

Specificity and Preparation:
Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

This antibody targets conjugated NO_2-Tyrosine. **This antibody does not recognize free NO_2-Tyrosine.**

Using a conjugate NO_2-Tyrosine-Glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
NO_2-Tyrosine-G-BSA	1
NO-Tyrosine-G-BSA	1/15,000
Tyrosine-G-BSA	1/>100,000
NO_2-5HT-G-BSA	1/>100,000
NO-5HT-G-BSA	1/>100,000
NO-Cystein-G-BSA	1/>100,000
NO-Tryptophan-G-BSA	1/>100,000
NO-Histidine-G-BSA	1/>100,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin
§ NO_2-Tyrosine-G-BSA concentration/unconjugated or conjugated close-related compounds concentration at half displacement.

Usage and Storage:
Applications include ELISA (1/1,000-1/5,000), immunohistochemistry / immunocytochemistry (1/1,000 -1/5,000), and immunoblotting (western blot 1/1,000-1/2,000). Fixation of tissue for use with these antibodies should be done with glutaraldehyde. The use of paraformaldehyde in conjunction with glutaraldehyde may improve staining results. Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

Available Control(s): NO_2-Tyrosine-G-BSA

To view protocol(s) for this and other products please visit: www.ATSbio.com/protocols